



STATE OF HAWAII  
DEPARTMENT OF EDUCATION  
KA 'OIHANA HO'ONA'AUAO  
P.O. BOX 2360  
HONOLULU, HAWAII 96804

OFFICE OF THE SUPERINTENDENT

January 16, 2024

The Honorable Ronald D. Kouchi, President  
and Members of the Senate  
State Capitol, Room 409  
Honolulu, Hawaii 96813

The Honorable Scott K. Saiki, Speaker  
and Members of the House of Representatives  
State Capitol, Room 431  
Honolulu, Hawaii 96813

Re: Hawaii State Department of Education Annual Report on Priority Fire Alarm

Dear President Kouchi, Speaker Saiki, and Members of the Legislature:

For your information and consideration, a copy of the Priority Fire Alarm report is being transmitted, pursuant to Senate Concurrent Resolution 34, S.D. 1, Session Laws of Hawaii 2023. In accordance with Section 93-16, Hawaii Revised Statutes, the report may be viewed electronically at: <https://www.hawaiipublicschools.org/VisionForSuccess/SchoolDataAndReports/StateReports/Pages/Legislative-reports.aspx>

Should you have any questions, please contact Ken Kakesako, Director of the Policy, Innovation, Planning and Evaluation Branch, Office of Strategy, Innovation and Performance, via email at [ken.kakesako@k12.hi.us](mailto:ken.kakesako@k12.hi.us) or by phone at (808) 282-3430.

Sincerely,

A handwritten signature in blue ink, appearing to read "Keith T. Hayashi".

Keith T. Hayashi  
Superintendent

KTH:ri  
Attachment

c: Legislative Reference Bureau  
Hawaii State Public Library System  
University of Hawaii  
Hawaii State Board of Education  
Office of Facilities and Operations



State of Hawaii  
Department of Education

## **Priority Fire Alarm**

January 2024

Senate Concurrent Resolution 34, Session Laws of Hawaii 2023, urges the Hawaii State Department of Education (Department) to create a priority list for repairing public school fire alarm systems and study acceptable alternatives, and create a timeline for completing repairs.

## Fire Alarm Legislative Report

Per the directives in Senate Concurrent Resolution 34, Session Laws of Hawaii 2023, this report provides an overview of the Hawaii State Department of Education's (Department) efforts to ensure the safety of students, teachers, parents, and staff through the maintenance and improvement of fire alarm systems in schools. While prioritizing school safety, the Department addresses existing systems' repairs, seeks campus upgrades, and utilizes annual funding for deferred maintenance. As of November 28, 2023, this report serves as an update on the status of schools' fire alarm systems. Notably, 90% of schools passed fire inspections in the 2022-23 school year.

During the transition from the school year 2022 - 2023 to school year 2023 - 2024, the Department has successfully completed 27 projects, totaling \$6 million. There are currently 11 projects in construction. To date, \$7,106,164 has been encumbered, with \$3,323,379 (47%) of the encumbrance spent.

The Department collaborates with consultants to execute design work for the fire alarm systems categorized as critical, poor, and fair conditions. The current construction cost for repair and/or replacement is estimated at \$41 million.

- There are 15 critical projects and their anticipated cost is \$36.1 million. The bid date for all projects is targeted for 2024.

Project Stage	Number of Projects	Anticipated Cost
Pending Design	5	\$10.6 million
Final Design Stage	8	\$21.5 million
Design Completed	2	\$4 million

- There are nine projects, of which one project has been identified in poor condition and eight projects in fair condition. The anticipated cost for these projects is \$4.8 million.

Project Stage	Number of Projects	Anticipated Cost
Pending Review	4	\$880,300
Pre-Design	1	\$2.6 million
In Design	1	\$311,300
Design Completed	1	\$429,000
Permit Submitted	1	\$247,500
Permit In-Review	1	\$286,000

While we have schools in various stages, insufficient funding prevents concurrent execution of all projects. The Department will request legislative funding of \$10 million annually for the next five years, specifically designated for statewide fire alarm repairs.



# Fire Alarms

## Priority

## Description

<b>1 - Critical</b>	Systems showing significant deterioration or frequent issues, impacting overall reliability with critical failures that may compromise life safety or property protection. Examples: Malfunctions affecting alarm notification or detection, outdated and/or obsolete components, or degraded performance.
<b>2 - Poor</b>	Systems with noticeable wear or components nearing the end of their service life. Examples: Aging equipment, control panels, or communication devices.
<b>3 - Fair</b>	Systems that are still functional but may benefit from modernization for enhanced features or efficiency. Examples: Older systems with limited capabilities, but no critical issues.

OFFICE	PROJECT NAME	DOE JOB NO.	DISTRICT	SOURCE	DESCRIPTION
Department of Education Queen Liliuokalani Building	OFFICE REPLACE/UPGRADE				Complete fire alarm system upgrade to be code compliant.
SCHOOL	PROJECT NAME	DOE JOB NO.	DISTRICT	SOURCE	DESCRIPTION
August Ahrens Elementary	Campus Replace Fire Alarm	P86215-23	Leeward	FMB	Complete replacement of campus fire alarm system, including monitoring system.
Ewa Elementary	Campus Replace Fire Alarm System	P81216-23	Leeward	FMB	Complete replacement of campus fire alarm system, including monitoring of system and providing of kitchen hood fire suppression system.
Hawaii School for Deaf and Blind	Campus Replace Fire Alarm System	P25272-23	Honolulu	FMB	Complete replacement of campus fire alarm system, including monitoring of system and providing of kitchen hood fire suppression system.
Jarrett Middle	Campus Replace Fire Alarm System	P24273-23	Honolulu	FMB	Complete replacement of campus fire alarm system, including monitoring system.
Kapaa High	Campus Replace Fire Alarm	P41211-22	Kauai	DAGS Kauai	Complete replacement of campus fire alarm system, including monitoring of system and providing of kitchen hood fire suppression system.
Kapalama ES	Campus Fire Alarm System Upgrade	P21274-23	Honolulu	FMB	Complete replacement of campus fire alarm system, including monitoring system.
Kauai High	Campus Replace Fire Alarm System	P42227-23	Kauai	ASA	Complete replacement of campus fire alarm system, including monitoring system.
Kealakehe Intermediate	Campus Replace Fire Alarm System	P15208-23	Hawaii	DAGS Hawaii	Complete replacement of campus fire alarm system, including monitoring of system and providing of kitchen hood fire suppression system.
Kohala Middle	Campus Replace Fire Alarm System	P16209-23	Hawaii	DAGS Hawaii	Complete replacement of campus fire alarm system, including monitoring of system and providing of kitchen hood fire suppression system.
Koloa Elementary	Campus Fire Alarm System Upgrade	P42228-23	Kauai	ASA	Complete replacement of campus fire alarm system, including monitoring system.
Konawaena Elementary	Campus Replace Fire Alarm System	P17210-23	Hawaii	DAGS Hawaii	Complete replacement of campus fire alarm system, including monitoring system.

Konawaena HS	Building P Fire Alarm	P17211-22	Hawaii	DAGS Hawaii	Add Fire Alarm to newly acquired space
Waimea High	Campus Replace Fire Alarm System	P43225-23	Kauai	DAGS Kauai	Complete replacement of campus fire alarm system, including monitoring of system and providing of kitchen hood fire suppression system.
Wilcox Elementary	Campus Replace Fire Alarm System	P42226-23	Kauai	DAGS Kauai	Complete replacement of campus fire alarm system, including monitoring of system and providing of kitchen hood fire suppression system.
<b>SCHOOL</b>	<b>PROJECT NAME</b>	<b>DOE JOB NO.</b>	<b>DISTRICT</b>	<b>SOURCE</b>	<b>DESCRIPTION</b>
Leilehua High	Campus Fire Alarm Upgrade	P72007-19	Central	School	
<b>SCHOOL</b>	<b>PROJECT NAME</b>	<b>DOE JOB NO.</b>	<b>DISTRICT</b>	<b>SOURCE</b>	<b>DESCRIPTION</b>
Hana High and Elementary	A Add FSS in Kit HD	P52001-07	Maui	School	
Holualoa Elementary	A RPL F/S Lines	P15000-15	Hawaii	School	
Kahuku Elementary	Campus Replace Fire Alarm	P92003-14	Windward	School	
Kainalu Elementary	Campus Replace Fire Alarm System	P94004-10	Windward	School	Handling emergency procurement to fix FACP to get school off of fire watch
Maemae Elementary	Upgrade Fire Alarm	P22000-18	Honolulu	School	
McKinley High	Campus Replace Fire Alarm	P23003-14	Honolulu	School	
Moanalua Middle	Campus Fire Alarm Upgrade	P74001-17	Central	School	
Molokai High	Campus Rewire Fire Alarm	P57011-10	Maui	School	